



Patent Application  
Attorney Docket No. PC23031A

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By

*Janice Denison*  
(Signature of person mailing)  
Janice Denison  
(Typed or printed name of person)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Mark Ammirati, et al. :

APPLICATION NO.: 10/688,167 : Examiner: To be assigned

FILING DATE: 10/17/2003 : Group Art Unit: To be assigned

TITLE: CRYSTAL STRUCTURE OF :  
STAPHYLOCOCCUS UNDECAPRENYL  
PYROPHOSPHATE SYNTHASE AND USES  
THEREOF

Hon. Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT  
PURSUANT TO 37 C.F.R. § 1.97 ET SEQ.

Applicant(s) herein make(s) available to the U.S. Patent and Trademark Office a copy of PTO-FB-A820 which lists the references cited by the applicant(s), copies of which are enclosed.


The Examiner is requested to consider carefully the complete text of these references in connection with the examination of the above-identified application in accord with 37 C.F.R. § 1.104(a). It is believed the Examiner will concur with applicant's belief that the subject matter presently claimed is neither anticipated nor rendered obvious by the foregoing references.

It is requested that the references listed on the attached form PTO-FB-A820 be included in the "References Cited" portion of any patent issuing from this application (M.P.E.P. § 1302.12).

A prompt and favorable response is earnestly solicited.

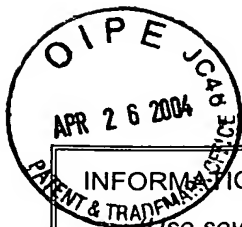
Date: 4/20/04

Respectfully submitted,



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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)								ATTY. DOCKET NO. PC23031A				SERIAL NO. 10/688,167							
								APPLICANT Mark Ammirati											
								FILING DATE 10/17/2003				GROUP							
U.S. PATENT DOCUMENTS																			
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE						
	US	6	2	8	7	8	1	0	09/11/01	Huang, et al.	C12N	69.1							
FOREIGN PATENT DOCUMENTS																			
DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION							
												YES	NO						
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)																			
		Apfel, C., et al., <i>To identify bacterial undecaprenyl pyrophosphate synthetase: cloning, expression, and characterization of the essential uppS gene</i> , <u>J. of Bacteriology</u> , Vol. 181(2): 483-492, 1999																	
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		Chang, S., et al., <i>Catalytic mechanism revealed by the crystal structure of undecaprenyl pyrophosphate synthase in complex with sulfate, magnesium, and triton</i> , <u>J. Biol. Chem.</u> , Vol. 278(81): 29298-29307, 2003																	
		Chen YH, et al., <i>Probing the conformational change of Escherichia coli undecaprenyl pyrophosphate synthase during catalysis using an inhibitor and tryptophan mutants</i> , <u>J. Biol. Chem.</u> , Vol. 277(9): 7369-7376, 2002																	
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		Fujihashi, M., et al., <i>Crystal structure of cis-prenyl chain elongating enzyme, undecaprenyl diphosphate synthase</i> , <u>PNAS</u> , Vol. 98(8): 4337 - 4342, 2001																	
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		Ohnuma, S., et al., <i>Kinetic studies on the prenyl chain elongation by undecaprenyl pyrophosphate synthase with artificial substrate homologues</i> , <u>FEBS Let.</u> , Vol. 257(1): 71 - 74, 1989																	
EXAMINER		DATE CONSIDERED																	
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